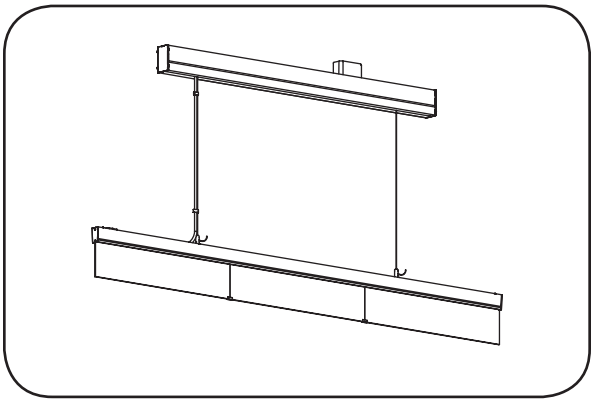
GE
Lighting

Installation Guide

Lumination™ Linear Suspended LED Luminaire

(EL Series – Cable Suspension Surface Mount Driver)



BEFORE YOU BEGIN

Read these instructions completely and carefully.

⚠ WARNING/AVERTISSEMENT

RISK OF ELECTRIC SHOCK
- Turn power off before inspection, installation or removal.
- Properly ground electrical enclosure.

RISK OF FIRE
- Follow all NEC and local codes.
- Use only UL approved wire for input/output connections. Minimum size 18 AWG (0.82 mm^2).

RISQUES DE DÉCHARGES ÉLECTRIQUES
- Coupez l'alimentation avant d"inspecter, installer ou déplacer le luminaire.
- Assurez-vous de correctement mettre à la terre le boîtier d'alimentation électrique.

RISQUES D'INCENDIE
- Respectez tous les codes NEC et codes locaux.
- N'utilisez que des fils approuvés par UL pour les entrées/sorties de connexion. Taille minimum 18 AWG (0.82 mm^2).

Save These Instructions

Use only in the manner intended by the manufacturer. If you have any questions, contact the manufacturer.

Important

Wear work gloves to prevent dirt and oil from being transferred to the luminaire.

⚠ CAUTION

RISK OF DAMAGE:
- Luminaire may fall down if not installed properly
- Remove protective film on Light Guide only after installation
- Do not touch Light Guide to avoid dirt, oil and fingerprints

Tools and Components Required

- #2 Philips head screwdriver
- UL Recognized wire connectors
- UL Recognized outlet box 2"x4"
- Ceiling fasteners (3 sets)

Prepare Electrical Wiring

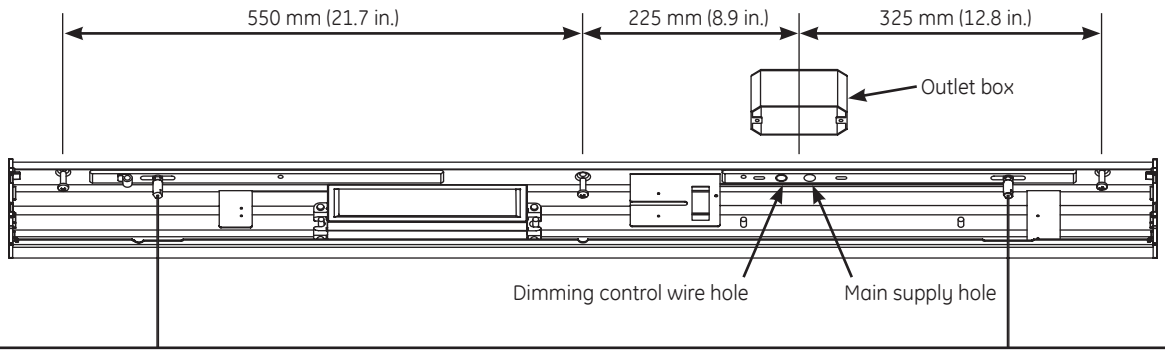
Electrical Requirements
- The LED driver must be supplied with 120-277 VAC, 50/60 Hz (in 120-277V application).
- For Series EL0XD, the unit must be supplied with 347 VAC, 60 Hz (in 347V application).
- Connected to an individual properly grounded branch circuit, protected by a 15 or 20 ampere circuit breaker. Use min. 75°C supply conductor.

Grounding Instructions
- The grounding and bonding of the overall system shall be done in accordance with National Electric Code (NEC) Article 600 and local codes.

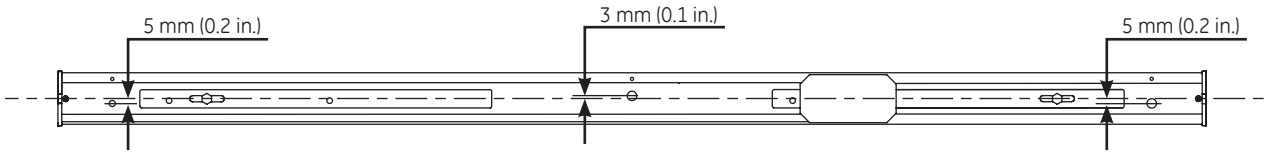
imagination at work

Screw Holes Position On Ceiling For Mounting Driver Box

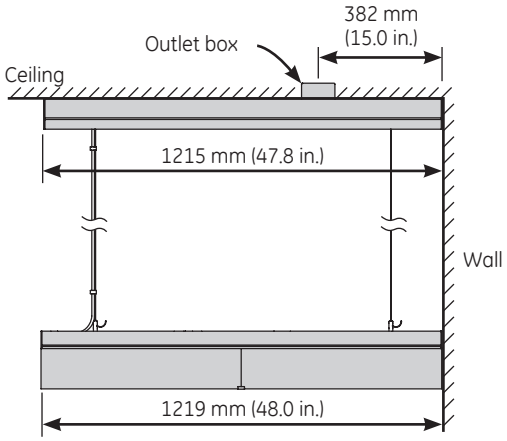
Side view



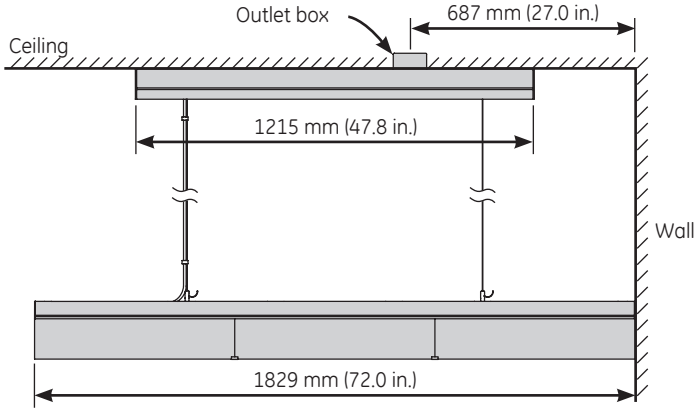
Top view



Luminaire Installation Position

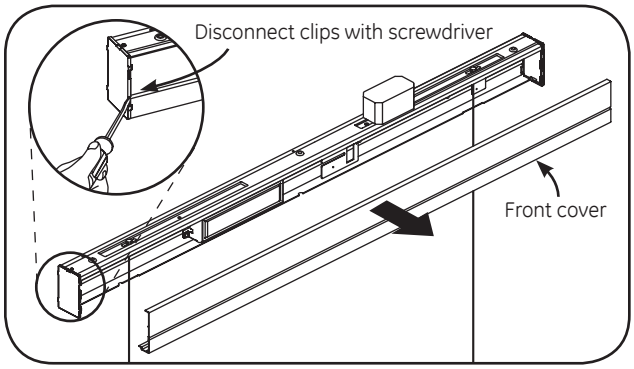


4 ft. Luminaire: When the outlet box mounted to ceiling, the distance between the center of the outlet box to wall should be no less than 15 in.

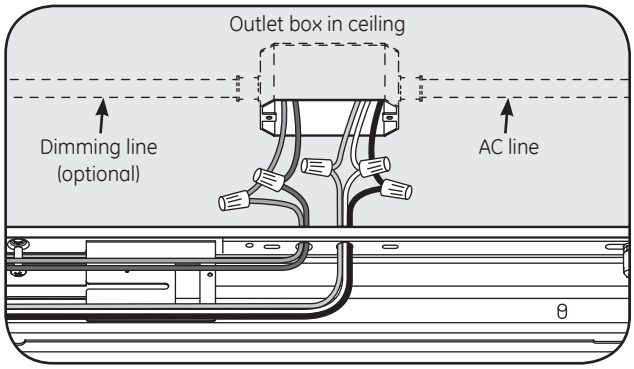


6 ft. Luminaire: When the outlet box mounted to ceiling, the distance between the center of the outlet box to wall should be no less than 27 in.

Luminaire Installation



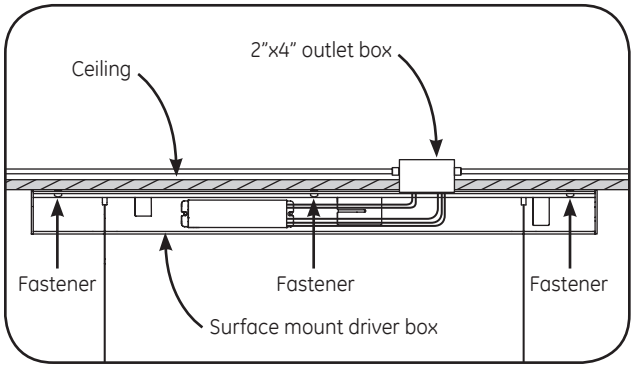
1 Take out driver box from packaging. Pull open front cover by disconnecting the clips on two end caps.



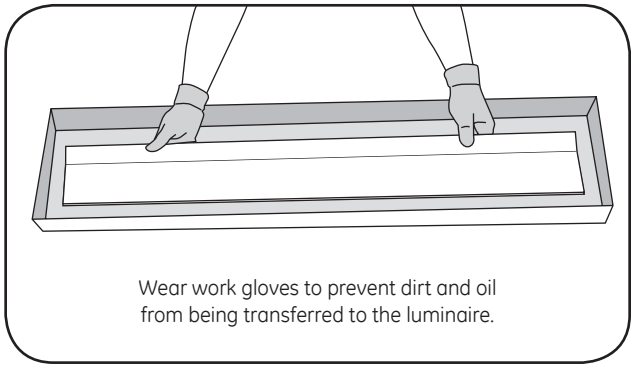
2 Connect wires from driver box to the wire leads in outlet box using wire nuts (white to white, black to black, green to green). Connect the dimming wires if needed.

Optional dimmer: When connecting dimming controller, wires must be run through a separate knockout hole equipped with bushing provided.

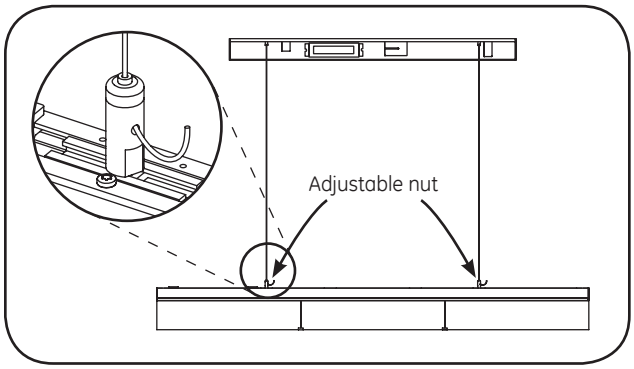
Risk of damage: Make sure that supply connection, light fixture wiring, and dimming cables are connected to proper driver inputs. Wrong connection may cause damage to the product.



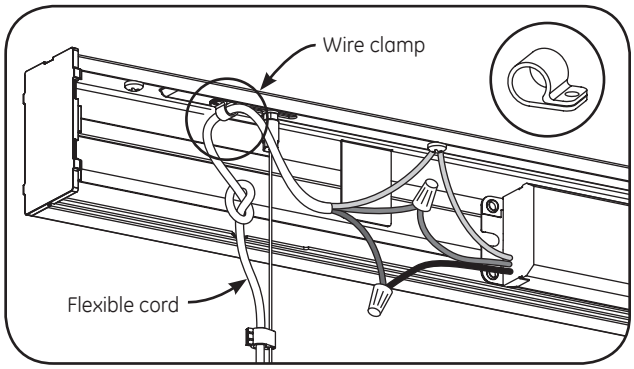
3 Align the driver box with the 2"x4" outlet box. Then mount the driver box to ceiling with 3 fasteners capable of supporting >30 lbs. each. The outlet box should be aligned with the driver box allowing no exposed gaps to outlet box. **WARNING: Use fasteners (not supplied) that are appropriate for use with your mounting surface and weight of the fixture.**



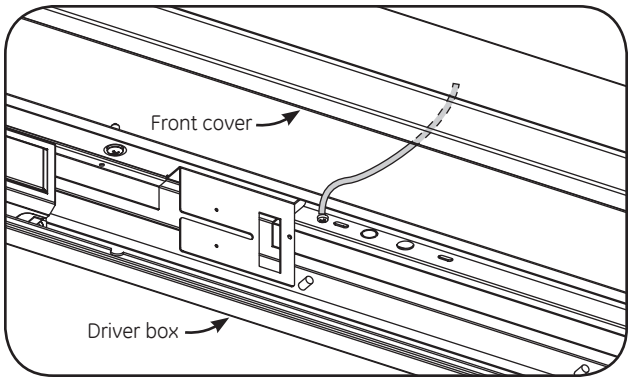
4 Unpack Light Engine from packaging. Properly inspect for defects before installing. **Make sure the Light Engine is only carried out by holding two ends of it.** Do not touch Light Guide when taking out.



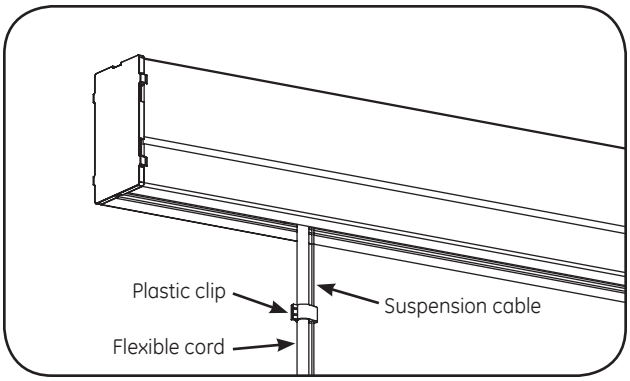
5 Hold the Light Engine and move to suspension cable. Connect two adjustable nuts to studs on top of the luminaire.



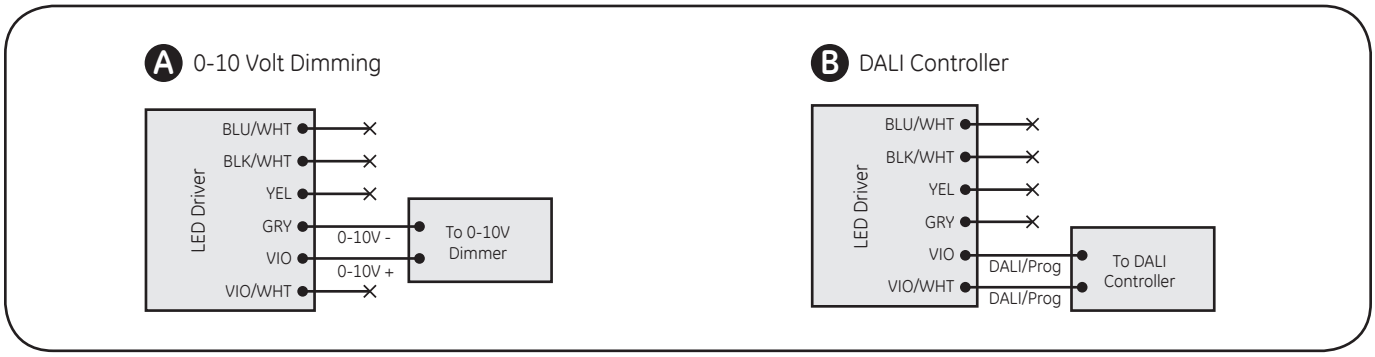
6 Before connecting flexible cord to the output wires of the driver, form a knot in the end of the cord to act as a strain relief. Be sure the knot is inside the enclosure. Install wire clamp to top surface of the driver box and then connect the red (line) and black (neutral) wires from light engine to red (line) and blue (neutral) wires from the power supply. Green wire to G position on driver box.



7 Connect the ground wire from front cover to the ground screw on the top plate. (Other wires hidden for clarity).

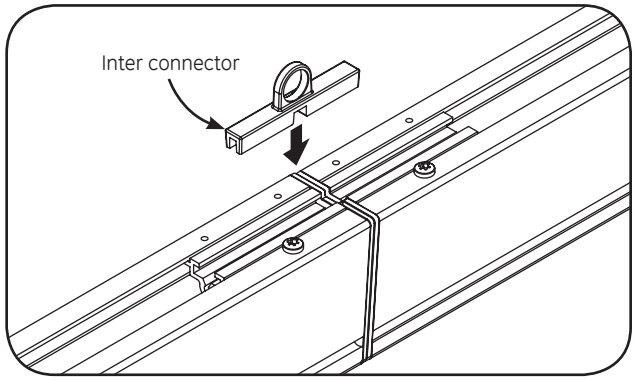


8 Put back the front cover. Push to get it snapped by two end caps. Attached suspension cable and cords with plastic clips provided.

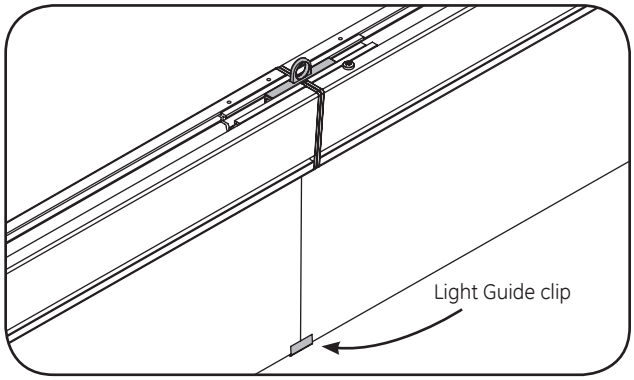


Optional Installation (For 120-277V and 347V Application): 0-10 Volt Dimming or DALI Lighting Controller. Follow figure A for 0-10V and figure B for DALI. Run wires from controller through a different knockout than the AC input wire. At output side of LED Driver, make appropriate connections using twist-on wire connectors. Follow lighting controller installation instructions.

Luminaire Inter Connection and Alignment



1 Put inter connector on the top of two luminaires and make sure that the slot of the inter connector cross the two end caps.



2 Push the inter connector into the luminaires. Remove the protective film and insert the Light Guide clip between the two Light Guides.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This Class [A] RFLD complies with the Canadian standard ICES-003. Ce DEFR de la classe [A] est conforme à la NMB-003 du Canada.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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